

IN THE CLAIMS

Claims 1-32 were previously cancelled. Claims 33-39, 41,-45, 71, 74, 77 and 124 are currently amended. Claims 40, 68, 94-99 and 106-123 are currently cancelled. Claims 46-67, 69, 70, 72, 73, 75, 76, 78-93, 100-105 and 125 are carried forward, all as follows.

Claims 1-32 (Cancelled)

33. (Currently Amended) A method for regulating a tension of a web of material passing through a processing machine including:

providing a web tension regulating device;

using said web tension regulating device for controlling said web tension;

maintaining said web tension at an actual, existing reference variable

using said web tension regulating device;

sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

providing a selected reference value for said web tension in response to said interference;

providing a time based, predetermined function in response to said sensed web tension affecting~~affected~~ interference;

providing a computing unit;

supplying information regarding the web to said computing unit;

using said computing unit for providing said time based predetermined

function;

supplying said predetermined function to said regulating device; ~~and~~
using said regulating device for selectively reducing said ~~actual~~selected
reference ~~variable~~value at least temporarily below said ~~selected~~actual existing
reference value and subsequently returning said actual reference ~~variable~~value to said
actual existing reference value.

34. (Currently Amended) A method for regulating a tension of a web of material
passing through a processing machine including:

providing a web tension regulating device;

using said web tension regulating device for controlling said web tension;

maintaining said web tension at an actual existing reference variable using
said web tension regulating device;

sensing the occurrence of a web tension affecting interference during
processing of said web in said processing machine;

providing a selected reference value for said web tension in response to
said interference;

using said regulating device for selectively reducing said actual
~~existing~~selected reference ~~variable~~value at least temporarily ~~below said actual existing~~
~~reference value;~~

providing a plurality of printing groups in said processing machine and
including a first printing group and a last printing group in a direction of web travel
through said plurality of printing groups;

measuring tensions in said web before said first printing group and after said last printing group and;

using said regulating device for returning said selected reference ~~value~~variable to said actual existing reference variable upstream of said first printing group using said measured ~~value~~values of said ~~tension~~tensions in said web after said last printing group.

35. (Currently Amended) A method for regulating a tension of a web of material passing through a printing machine including:

providing a reference variable of a tension of said web of material;

sensing the occurrence of a web tension affecting interference during processing of said web in said processing machine;

providing a time based, predetermined function in response to said sensed web tension affecting interference;~~and~~

providing a computing unit;

supplying information regarding the web to said computing unit;

using said computing unit for determining one of a time and a duration of a reduction of said reference variable of said tension; and

selectively changing and reducing said reference variable of said tension on the basis of said time based function.

36. (Currently Amended) The method of claim 33 further including reducing said selected reference ~~value~~variable to a fixed value.

37. (Currently Amended) The method of claim 34 further including reducing said selected reference value~~variable~~ to a fixed value.

38. (Currently Amended) The method of claim 33 further including reducing said selected reference value~~variable~~ a predetermined amount in respect to said actually existing reference variable.

39. (Currently Amended) The method of claim 34 further including reducing said selected reference value~~variable~~ a predetermined amount in respect to said actually existing reference variable.

40. (Cancelled)

41. (Currently Amended) The method of claim 34 further including providing a computing~~memory~~ unit and using said computing~~memory~~ unit for storing at least one value of an amount of change of said reference value~~variable~~.

42. (Currently Amended) The method of claim 35 further including ~~providing a memory unit and~~ using said computing~~memory~~ unit for storing at least one value of an amount of change of said reference value~~variable~~.

43. (Currently Amended) The method of claim 33 further including ~~providing a memory unit and~~ using said computing~~memory~~ unit for storing at least one correlation

for determining a change of said reference ~~value~~variable.

44. (Currently Amended) The method of claim 34 further including providing a memory unit and using said ~~computing~~memory unit for storing at least one correlation for determining a change of said reference ~~value~~variable.

45. (Currently Amended) The method of claim 35 further including ~~providing a memory unit and~~ using said ~~computing~~memory unit for storing at least one correlation for determining a change of said reference ~~value~~variable.

46. (Previously Presented) The method of claim 33 further including maintaining said reference value as said selected reference variable for a constant time interval.

47. (Previously Presented) The method of claim 34 further including maintaining said reference value as said selected reference variable for a constant time interval.

48. (Previously Presented) The method of claim 35 further including maintaining said reference value as said selected reference variable for a constant time interval.

49. (Previously Presented) The method of claim 33 further including reducing said reference variable in one step.

50. (Previously Presented) The method of claim 34 further including reducing said reference variable in one step.

51. (Previously Presented) The method of claim 35 further including reducing said reference variable in one step.

52. (Previously Presented) The method of claim 40 further including reducing said reference variable discontinuously in time intervals.

53. (Previously Presented) The method of claim 41 further including reducing said reference variable discontinuously in time intervals.

54. (Previously Presented) The method of claim 42 further including reducing said reference variable discontinuously in time intervals.

55. (Previously Presented) The method of claim 35 further including providing a regulating device and using said regulating device for maintaining said web tension as said reference variable.

56. (Previously Presented) The method of claim 33 further including changing said reference variable during one of run-up of said interference or during said interference.

57. (Previously Presented) The method of claim 34 further including changing said reference variable during one of run-up of said interference or during said interference.

58. (Previously Presented) The method of claim 35 further including changing said reference variable during one of run-up of said interference or during said interference.

59. (Previously Presented) The method of claim 33 further including performing a roll change for causing said interference.

60. (Previously Presented) The method of claim 34 further including performing a roll change for causing said interference.

61. (Previously Presented) The method of claim 35 further including performing a roll change for causing said interference.

62. (Previously Presented) The method of claim 33 further including connecting an old web and a new web and using said connecting for changing said reference variable.

63. (Previously Presented) The method of claim 34 further including connecting an old web and a new web and using said connecting for changing said reference variable.

64. (Previously Presented) The method of claim 35 further including connecting an old web and a new web and using said connecting for changing said reference variable.

65. (Previously Presented) The method of claim 38 further including selecting said predetermined amount for counteracting an expected change in said web tension.

66. (Previously Presented) The method of claim 39 further including connecting an old web and a new web and using said connection for changing said reference variable.

67. (Previously Presented) The method of claim 33 further including providing a first printing unit in said processing machine and altering said reference variable of said web tension before, in a transport direction of said web, said first printing unit.

68. (Cancelled)

69. (Previously Presented) The method of claim 35 further including providing a first printing unit in said processing machine and altering said reference variable of said web tension before, in a transport direction of said web, said first printing unit.

70. (Previously Presented) The method of claim 67 further including providing a web draw-in unit and using said web draw-in unit for changing said reference variable.

71. (Currently Amended) The method of claim 3468 further including providing a web draw-in unit and using said web draw-in unit for changing said reference variable.

72. (Previously Presented) The method of claim 69 further including providing a

web draw-in unit and using said web draw-in unit for changing said reference variable.

73. (Previously Presented) The method of claim 67 further including connecting a new web and an old web and changing said reference value during said connection.

74. (Currently Amended) The method of claim 3468 further including connecting a new web and an old web and changing said reference value during said connection.

75. (Previously Presented) The method of claim 69 further including connecting a new web and an old web and changing said reference value during said connection.

76. (Previously Presented) The method of claim 67 further including providing a web connection and changing said reference variable at least during a passage of said connection before, in said transport direction a last clamping point located before said first printing unit.

77. (Currently Amended) The method of claim 3468 further including providing a web connection and changing said reference variable at least during a passage of said connection before, in said transport direction a last clamping point located before said first printing unit.

78. (Previously Presented) The method of claim 69 further including providing a web connection and changing said reference variable at least during a passage of said

connection before, in said transport direction a last clamping point located before said first printing unit.

79. (Previously Presented) The method of claim 33 further including changing said reference variable and maintaining said changed reference variable for a time interval.

80. (Previously Presented) The method of claim 34 further including changing said reference variable and maintaining said changed reference variable for a time interval.

81. (Previously Presented) The method of claim 35 further including changing said reference variable and maintaining said changed reference variable for a time interval.

82. (Previously Presented) The method of claim 79 further including returning said reference variable to said actual existing reference variable after said time interval.

83. (Previously Presented) The method of claim 80 further including returning said reference variable to said actual existing reference variable after said time interval.

84. (Previously Presented) The method of claim 81 further including returning said reference variable to said actual existing reference variable after said time interval.

85. (Previously Presented) The method of claim 79 further including returning said reference variable to a new constant reference variable different from said actual existing reference variable after said time interval.

86. (Previously Presented) The method of claim 80 further including returning said reference variable to a new constant reference variable different from said actual existing reference variable after said time interval.

87. (Previously Presented) The method of claim 81 further including returning said reference variable to a new constant reference variable different from said actual existing reference variable after said time interval.

88. (Previously Presented) The method of claim 82 further including using a time function for returning said reference variable.

89. (Previously Presented) The method of claim 83 further including using a time function for returning said reference variable.

90. (Previously Presented) The method of claim 84 further including using a time function for returning said reference variable.

91. (Previously Presented) The method of claim 85 further including using a time function for returning said reference variable.

92. (Previously Presented) The method of claim 86 further including using a time function for returning said reference variable.

93. (Previously Presented) The method of claim 87 further including using a time function for returning said reference variable.

94-99. (Cancelled)

100. (Previously Presented) The method of claim 88 further including returning said reference variable discontinuously in time intervals.

101. (Previously Presented) The method of claim 89 further including returning said reference variable discontinuously in time intervals.

102. (Previously Presented) The method of claim 90 further including returning said reference variable discontinuously in time intervals.

103. (Previously Presented) The method of claim 91 further including returning said reference variable discontinuously in time intervals.

104. (Previously Presented) The method of claim 92 further including returning said reference variable discontinuously in time intervals.

105. (Previously Presented) The method of claim 93 further including returning said reference variable discontinuously in time intervals.

106-123. (Cancelled)

124. (Currently Amended) A device for regulation of tension in a web of material passing through a processing machine comprising:

a regulating device adapted to maintain tension in a web at a reference variable;

means for sensing an actual existing reference variable of a tension in a web;

means for sensing the occurrence of a web tension varying interference in the web;

a computing unit adapted to store information regarding the web as well as at least one value of web processing affecting the web;

means for storing in said computing unit at least one correlation for determining a change in said reference variable in response to the sensing of said tension varying interference; and

means for reducing said actual existing reference variable to said reference variable to counteract said interference by use of said computing unit to control said regulating device.

125. (Previously Presented) The device of claim 124 wherein said reference variable is reduced by a predetermined value with respect to said actually existing reference variable.